| <br>Indox of Claims Ap                           |             |           |          |                 |           |                 |                    |              |               |          |              |          |          | Application N .        |          |              |                   |             |          |          |          |          |       | Applicant(s) |            |            |           |          |          |           |          |          |           |          |  |  |
|--|-------------|-----------|----------|-----------------|-----------|-----------------|--------------------|--------------|---------------|----------|--------------|----------|----------|------------------------|----------|--------------|-------------------|-------------|----------|----------|----------|----------|-------|--------------|------------|------------|-----------|----------|----------|-----------|----------|----------|-----------|----------|--|--|
| Index of Claims                                  |             |           |          |                 |           |                 |                    |              |               |          |              |          |          | 10/050 346             |          |              |                   |             |          |          |          |          |       | GAO ET AL.   |            |            |           |          |          |           |          |          |           |          |  |  |
|  |             |           |          |                 |           |                 |                    |              |               |          |              |          |          | 10/050,346<br>Examiner |          |              |                   |             |          |          |          |          |       | Art Unit     |            |            |           |          |          | Τ         |          |          |           |          |  |  |
|  |             |           |          |                 |           |                 |                    |              |               |          |              |          |          |                        |          | İ            |                   |             |          |          |          |          |       |              |            |            |           |          |          |           |          |          |           |          |  |  |
|  | 111111      | ł URK     |          | 1111            |           |                 |                    |              |               | 11 18    | H<br>—       |          |          |                        |          | Y            | Yaritza Guadalupe |             |          |          |          |          |       |              |            |            | 2859      |          |          |           |          |          | _         |          |  |  |
|  |             |           | Г        |                 |           | $\neg$          |                    | Г            | $\overline{}$ |          |              |          |          |                        |          | 1            |                   |             |          |          |          |          |       |              |            |            | T         |          |          |           |          |          |           |          |  |  |
| √ Rejected – (Through numera Cancelled           |             |           |          |                 |           |                 |                    |              |               |          | N Non-Electr |          |          |                        |          |              |                   | ed          |          | A        | Appeal   |          |       |              |            |            |           |          |          |           |          |          |           |          |  |  |
|  |             |           |          |                 |           |                 | ŀ                  | + Restricted |               |          |              |          |          |                        |          |              | 1 1-4-4           |             |          | _        |          |          |       |              |            | 0111-4     |           |          |          |           |          |          |           |          |  |  |
|  |             | = Allowed |          |                 |           |                 |                    | Ŀ            | *             |          |              | Re       | stri     | cte                    | d<br>    |              |                   |             | I Interl |          |          | 7 1      | rence |              |            | 0          | Objected  |          |          |           |          |          |           |          |  |  |
| Cla  | sim.        | Date      |          |                 |           |                 |                    |              |               | Claim    |              |          |          |                        | _        |              | Date              | ate         |          |          | ٦        | Claim    |       |              | Г          | Date       |           |          |          | 7         |          |          |           |          |  |  |
|  |             | 8         |          | П               | Ť         |                 | T                  | T            | T             | 7        |              |          |          | Τ                      |          |              |                   |             | П        |          |          |          |       |              |            |            |           |          | Т        | T         |          | П        | T         | 7        |  |  |
| Final  | Original    | 2/18/04   |          |                 | ١         |                 | ı                  | -            | -             |          |              | Final    | Original |                        |          |              |                   |             | 1        |          |          | - 1      |       | Final        | Original   |            |           | -        | ١        |           |          | ١        |           |          |  |  |
| ш.   | ŏ           | 7         |          |                 |           |                 |                    | - 1          | -             |          |              |          | ŏ        |                        |          |              |                   |             |          |          | ١        |          |       | _            | ō          |            |           |          |          |           |          |          |           |          |  |  |
|  | 0           | 1         |          |                 | $\Box$    |                 |                    | 1            |               |          |              |          | 51       |                        |          |              |                   |             |          |          | $\Box$   |          |       |              | 101        |            | $\Box$    | $\Box$   | $\Box$   |           | $\Box$   | $\Box$   | ightarrow | ]        |  |  |
| Ш  | 2           | 1         |          | -               | 4         | $\dashv$        | 4                  | 4            | +             | 4        |              |          | 52       | L                      | ┞-       | -            | ┡                 | <u> </u>    | Н        | _        | -        | ᅴ        |       |              | 102        | H          | Н         | $\dashv$ | -        | +         | +        | +        |           | $\dashv$ |  |  |
|  | 3           | 1         | Н        | -               | $\dashv$  | $\dashv$        | $\dashv$           | +            | +             | -        |              |          | 53<br>54 | $\vdash$               | ┝        | ⊢            | $\vdash$          | Н           | Н        | $\dashv$ | -        | ┥        |       |              | 104        | H          | Н         | $\dashv$ | ┪        | +         | +        | ᆉ        | +         | ┨        |  |  |
|  | 5           | 1         | Н        | -               | -1        | $\dashv$        | $\dashv$           | 十            | ╅             | -        |              |          | 55       | $\vdash$               |          |              | 1                 |             | Н        | ٦        | ┪        | ᅦ        |       |              | 105        |            | H         | ╛        | 寸        | $\top$    | 7        | 1        |           | 7        |  |  |
|  | 6           | V         |          |                 |           |                 |                    |              |               |          |              |          | 56       |                        |          |              |                   |             |          |          |          |          |       |              | 106        |            | $\square$ |          | $\Box$   | $\Box$    | $\Box$   |          | $\Box$    |          |  |  |
|  | 7           | ٧         | П        |                 |           |                 | $\Box$             | $\Box$       | 1             | $\Box$   |              |          | 57       | L                      | L        | L            | L                 | L           | Ш        |          | $\dashv$ | 4        |       |              | 107        |            | Н         | <b>-</b> | 4        | 4         |          | +        | +         | 4        |  |  |
|  | 8           | 1         | $\vdash$ | -               | $\dashv$  | $\dashv$        | $\dashv$           |              | +             | -        | - }          |          | 58<br>59 | ╁                      | ┝        | ┢            | ┝                 | $\vdash$    | Н        | $\dashv$ | $\dashv$ | $\dashv$ |       |              | 108<br>109 | Н          | Н         | $\dashv$ | $\dashv$ | +         | +        | -+       | +         | $\dashv$ |  |  |
| 5 A. *   | <b>(10)</b> |           | Н        | $\dashv$        | -         | $\dashv$        | $\dashv$           | +            | $\dashv$      | -        |              |          | 60       | ┰                      | ┢        | ╁            | ┢                 | $\vdash$    | Н        | $\dashv$ | ᅥ        | $\dashv$ |       |              | 110        |            | Н         | +        | 1        | 十         | 7        | +        | 十         | 1        |  |  |
| 12.7   |             | B         | П        | $\Box$          | $\exists$ |                 | 寸                  | $\top$       | 1             |          |              |          | 61       | 厂                      |          |              |                   |             |          |          |          |          |       |              | 111        |            |           |          | 1        |           |          |          |           |          |  |  |
|  | 12          | 3         |          | $\Box$          |           |                 | $\Box$             | $\Box$       | $\Box$        |          |              |          | 62       | L                      |          |              |                   |             |          |          | $\dashv$ |          |       |              | 112        | lacksquare | Ц         | _        | 1        |           | _        | 4        | 4         | 4        |  |  |
|  | 18          | N/        | Н        |                 |           | $\dashv$        |                    | +            | 4             | 4        |              |          | 63       | ╀                      | ╀        | ⊢            | ⊢                 | ├           | Н        | $\dashv$ | -1       |          |       |              | 113<br>114 | ┢          | Н         | -        | $\dashv$ | -         | $\dashv$ | +        | +         | -        | BES  |  |
|  | 1           | 137       | Н        | -               | $\dashv$  | $\dashv$        | +                  | +            | +             | -        |              |          | 64<br>65 | ⊢                      | ┢        | ╁            | ┢                 | ⊢           | Н        | -        | -        | $\dashv$ |       |              | 115        | ╂╾         | $\vdash$  | -        | ╅        | +         | $\dashv$ | -+       | 十         | ┥        |  |  |
| 102  | 1           | 18        | -        | $\dashv$        | $\dashv$  | $\dashv$        | $\dashv$           | 十            | 十             | -        |              |          | 66       | ╁                      | -        | ╁            | $\vdash$          | H           | Н        |          | 寸        | ┪        |       |              | 116        |            | Н         | $\neg$   | 十        | +         | 7        | 十        | 十         | ┪.       | -  |  |
|  | 17          | 3         |          |                 |           |                 |                    | $\exists$    |               |          |              |          | 67       |                        |          |              |                   |             |          |          |          |          |       |              | 117        |            |           |          |          |           |          | $\Box$   |           |          |  |  |
| 13/1   | 18          | 4.81      |          |                 | $\Box$    | П               | $\Box$             | $\Box$       | $\Box$        |          |              |          | 68       | $\Box$                 |          | $\perp$      | 匚                 | L           | Ц        |          |          |          |       |              | 118        |            | Ш         | _        | 4        |           | 4        | 4        | +         | 4        | The state of the s |  |
|  | 1           | N,        | Ш        | $\dashv$        | _         | $\vdash$        | -                  | 4            | -             | 4        |              |          | 69       | ₽                      | ┡        | ╀            | ╁                 | H           | Н        | $\dashv$ | -        | ᅱ        |       |              | 119        | -          | Н         | ┥        | $\dashv$ |           | $\dashv$ | +        | ┿         | $\dashv$ | A STATE OF THE PARTY OF THE PAR |  |
| 11.00  | 20<br>(21)  | V         | Н        | $\dashv$        |           | Н               | $\dashv$           | +            | ╫             | -        |              |          | 70<br>71 | ⊢                      | ⊢        | ╀            | ╁                 | ⊢           | Н        | -        | -        | $\dashv$ |       |              | 121        | ╁          | Н         | $\dashv$ | $\dashv$ | +         | $\dashv$ | $\dashv$ | ╅         | $\dashv$ |  |  |
| $\vdash$   | <b>2</b>    | 1         | Н        | $\square$       |           | H               | +                  | +            | 十             | -        |              |          | 72       | ╁                      | ╁        | H            | $\vdash$          | H           | Н        |          | ┪        | $\dashv$ |       |              | 122        | Н          | Н         | _        | ┪        | 7         | ┪        | 十        | $\top$    | 1        | T.   |  |
|  | 23          | 1         |          | $\Box$          |           | П               | ┪                  | 十            | $\top$        |          |              |          | 73       | $\vdash$               | T        |              |                   |             |          |          |          |          |       |              | 123        |            | П         |          |          |           |          |          |           | ]        |  |  |
|  | 24          | V         | 口        |                 |           |                 |                    | $\Box$       | $\Box$        |          |              |          | 74       |                        | Г        | Γ            |                   |             |          |          | $\Box$   |          |       |              | 124        |            | П         | Д        | Ţ        | $\perp$   | $\Box$   | $\dashv$ | 4         | 4        |  |  |
|  | 25          | F         | Н        | Ц               |           | $\sqcup$        | _                  | 4            | 4             | 4        |              |          | 75       | 1                      | $\vdash$ | ╀            | $\vdash$          | -           | Н        | $\Box$   | 4        | Ч        |       |              | 125<br>126 |            | Н         | 4        | 4        | $\dashv$  |          | +        | +         | $\dashv$ | 1  |  |
| $\vdash$   | 26<br>27    | ⊢         | Н        | Н               | $\dashv$  | $\vdash$        | -                  | +            | +             | $\dashv$ |              |          | 76<br>77 | ╁                      | $\vdash$ | ╀            | ⊢                 | +-          | Н        | Н        | $\dashv$ | Н        |       |              | 126        |            | Н         | -        | +        | +         | $\dashv$ | +        | +         | $\dashv$ |  |  |
|  | 28          | ┢         | $\vdash$ | $\vdash$        |           | $\vdash \vdash$ | $\dashv$           | $\dashv$     | 十             | ╣        |              | _        | 78       | t                      | 1        | 1            | 1-                | 1-          | H        | $\dashv$ | $\dashv$ | Н        |       | _            | 128        | -          | H         | ┪        | 7        | $\dashv$  | 7        | _        | 十         | 7        |  |  |
|  | 29          | Π         |          |                 |           |                 |                    | ╛            | 士             | ╛        |              |          | 79       |                        |          |              |                   |             |          |          |          |          |       |              | 129        |            |           |          | ゴ        |           |          |          |           |          |  |  |
|  | 30          | Г         |          |                 |           |                 |                    | $\Box$       | $\Box$        |          |              |          | 80       | Г                      |          | Ľ            | L                 | $\sqsubset$ | $\Box$   |          |          |          |       |              | 130        |            | Ш         |          | _[       | $\dashv$  | _]       | _[       |           | 4        | OPY  |  |
| $\square$  | 31          | 1         | Ш        | Ц               | Ц         | Ш               | 1                  | $\perp$      | +             | 4        |              |          | 81       | 1                      | -        | $\vdash$     | ┡                 | -           | L        | Ц        | _        | Ц        |       |              | 131        |            | Н         | -4       | +        | $\dashv$  | -        | +        | +         | $\dashv$ | O  |  |
| <b>-</b>   | 33          | $\vdash$  | Н        | $\vdash \vdash$ | $\vdash$  | Н               | +                  | +            | -+            | -        |              | <b></b>  | 82<br>83 | ╀                      | ╁        | +            | ╁                 | $\vdash$    | $\vdash$ | $\dashv$ | -        | $\dashv$ |       |              | 132<br>133 |            | Н         | $\dashv$ | ┥        | $\dashv$  | ┥        | $\dashv$ | +         | $\dashv$ |  |  |
| <del>                                     </del> | 34          | 十         | Н        | Н               | $\dashv$  | Н               | $\dashv$           | $\dashv$     | $\dashv$      | ╣        |              |          | 84       | T                      | ۲        | ╁            | ╁                 | $\vdash$    | $\vdash$ | Н        | $\dashv$ | ٦        |       |              | 134        |            | H         | -        | 7        | 7         | 1        | -+       | 十         | $\dashv$ |  |  |
|  | 35          | 1         | П        | H               | $\exists$ | Н               |                    |              | 1             | 7        |              |          | 85       | T                      | T        | T            | I                 | L           |          |          |          |          |       |              | 135        |            |           |          |          |           | ╛        |          |           |          |  |  |
|  | 36          |           |          |                 |           |                 |                    | $\Box$       |               |          |              |          | 86       | $\Box$                 | L        |              | $\Box$            |             |          |          | $\Box$   |          |       |              | 136        | L          |           |          | $\Box$   | $\supset$ | $\Box$   | Ц        | $\perp$   | _        |  |  |
|  | 37          | Г         | П        | Ш               | Ц         | Щ               | J                  | $\dashv$     | $\perp$       | _        |              |          | 87       | Ľ                      | Ļ        | 1            | $\vdash$          | $\vdash$    |          | Щ        |          | $\Box$   |       |              | 137        |            | Н         | Ц        | 4        | 4         | 4        | Ц.       | +         | 4        |  |  |
| igwdow   | 38          | ╀         | Н        | Н               | Н         | $\vdash \vdash$ |                    | $\dashv$     | +             | 4        |              |          | 88<br>89 | ╀                      | ╀        | ╀            | ╀                 | ╄           | $\vdash$ |          | $\dashv$ | Н        |       |              | 138<br>139 |            | Н         | $\dashv$ | +        | +         |          | -+       | +         | $\dashv$ |  |  |
| -  | 39<br>40    | ╁         | $\vdash$ | Н               | Н         | ┝┤              |                    | +            | ┰             | -        |              |          | 90       | ╁                      | ۲        | ╁            | +                 | ╁           | $\vdash$ |          | $\dashv$ | -        |       | _            | 140        |            | $\vdash$  | $\dashv$ | ┥        | +         | ┥        | -        | +         | $\dashv$ |  |  |
| <b> </b>   | 41          | 十         | Н        | H               | Н         | $\vdash \vdash$ | -1                 | $\dashv$     | $\dashv$      | ╣        |              |          | 91       | ۲                      | T        | †            | t                 | T           | Н        | -        | $\neg$   | Н        |       |              | 141        |            | Н         | Ħ        | ┪        | ヿ         | 7        |          | _         |          |  |  |
|  | 42          |           |          | d               |           |                 |                    |              | 丁             |          |              |          | 92       | I                      | Γ        | L            |                   |             |          |          |          |          |       |              | 142        |            |           |          |          | ゴ         |          |          | 工         |          |  |  |
|  | 43          |           |          | $\square$       |           | П               | $\Box$             | $\Box$       | $\Box$        | $\Box$   |              |          | 93       | L                      |          | L            | L                 | Ĺ           | Ĺ        |          |          |          |       |              | 143        |            |           |          | 4        | _         | 4        | 1        | _         | 4        |  |  |
|  | 44          | $\perp$   | $\sqcup$ | Ш               | Ц         | Ш               | $\sqcup$           | 4            | 4             | 4        |              | <u> </u> | 94       | Ļ                      | ╙        | $\downarrow$ | $\vdash$          | ⊢           | ⊢        |          | Ш        | Щ        |       |              | 144        |            | $\vdash$  | Ц        | 4        | -         | 4        | $\Box$   | -         | 4        |  |  |
|  | 45          | 1         | Щ        | Ш               | Ш         | Ш               | $oldsymbol{\perp}$ |              | 4             | #        | :::          | <b></b>  | 95       | 4                      | ┺        | 1_           | ┺                 | 4-          | <b>L</b> | Щ        | $\dashv$ | Ш        |       | L            | 145        | ┺-         | Н         | Щ        |          | -         | _        | -        | -         | 4        |  |  |